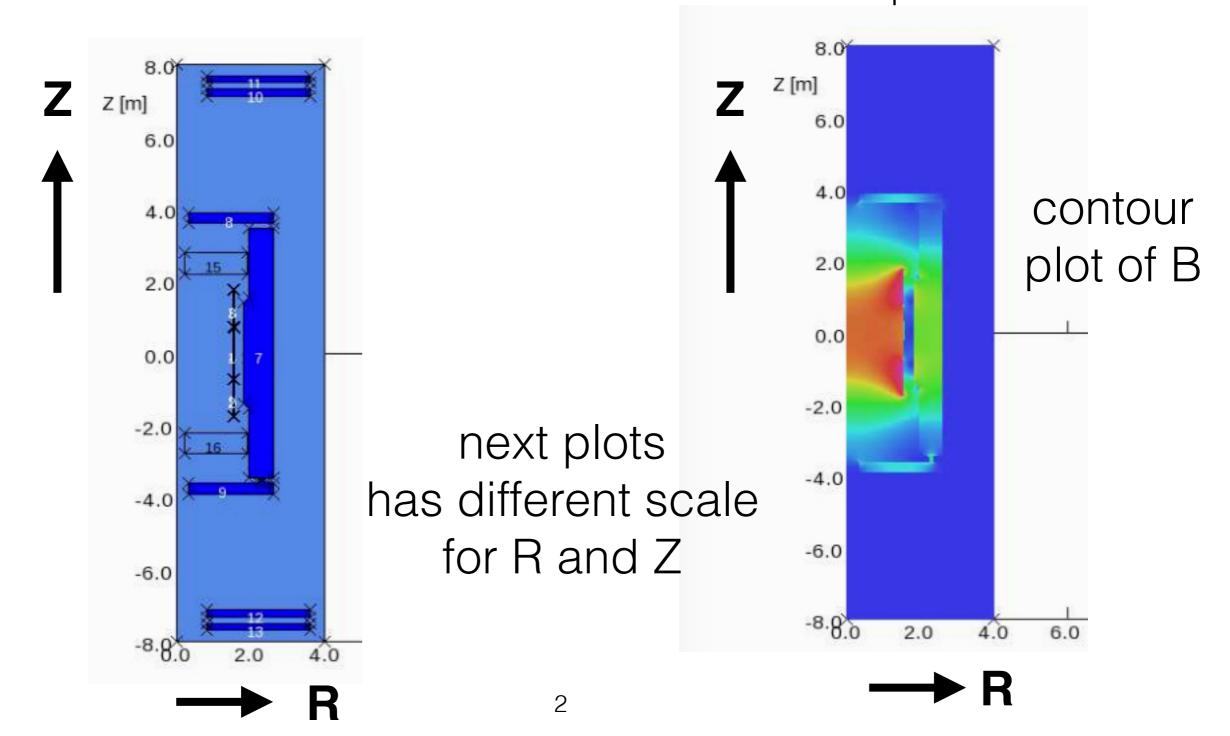
# sPHENIX Magnet door thickness 30cm versus 19cm

A.Franz 03/01/2017

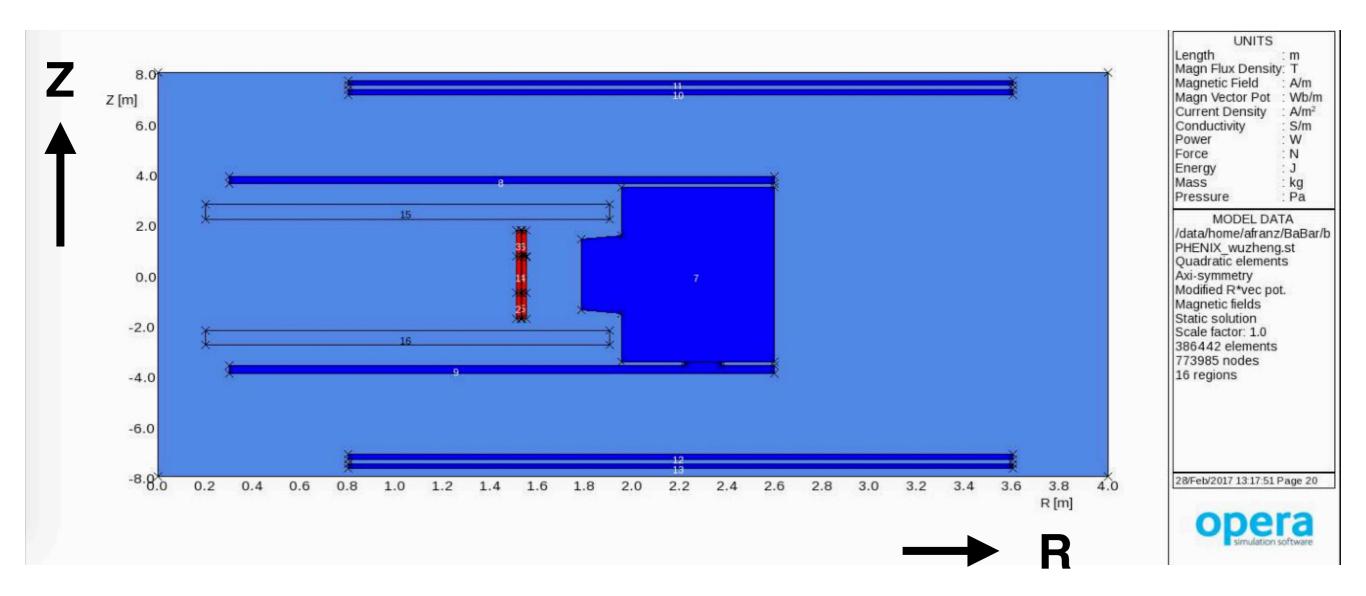
#### 2D Opera simulation, φ symmetric R:Z in 1:1 scale as illustration

steel is in dark blue, coils are in red areas 15 and 16 are from another test and set to air areas 10-13 are two PHENIX MuID absorber panels

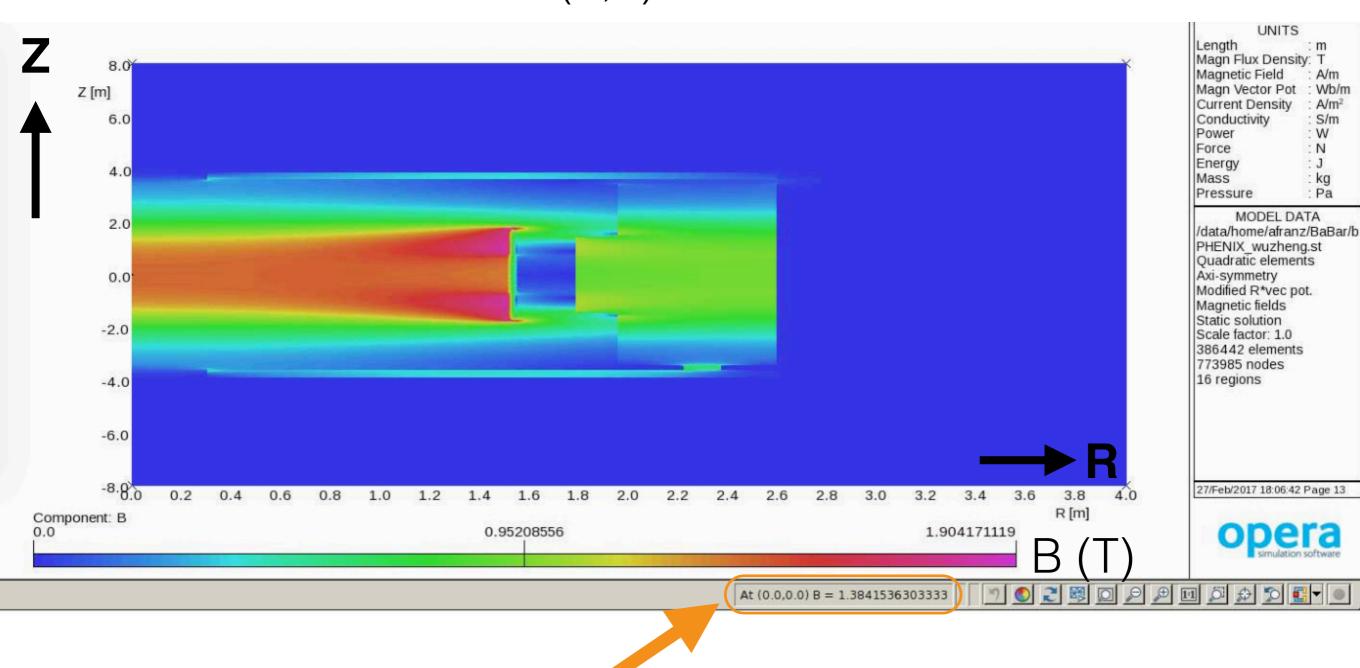


#### 2D Opera simulation, φ symmetric please note different scales for R and Z

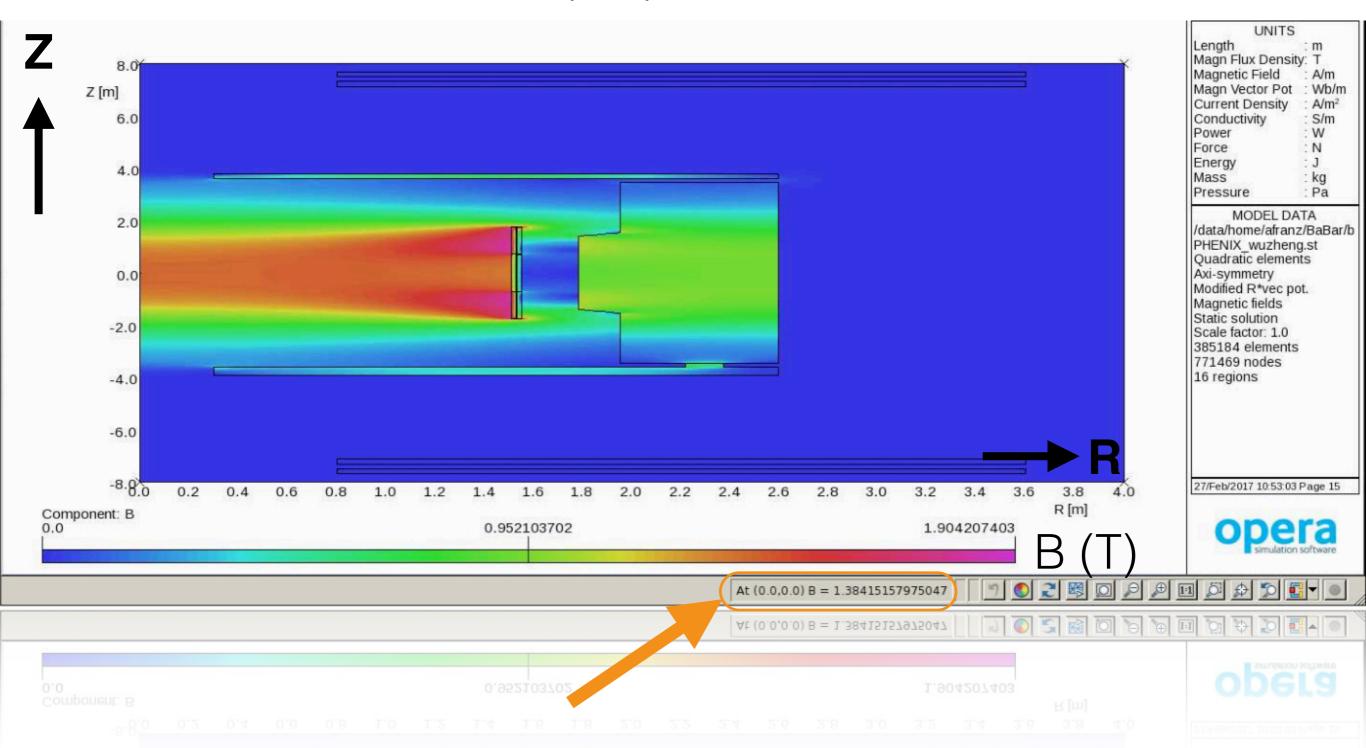
steel is in dark blue, coils are in red areas 15 and 16 are from another test and set to air areas 10-13 are two PHENIX MuID absorber panels



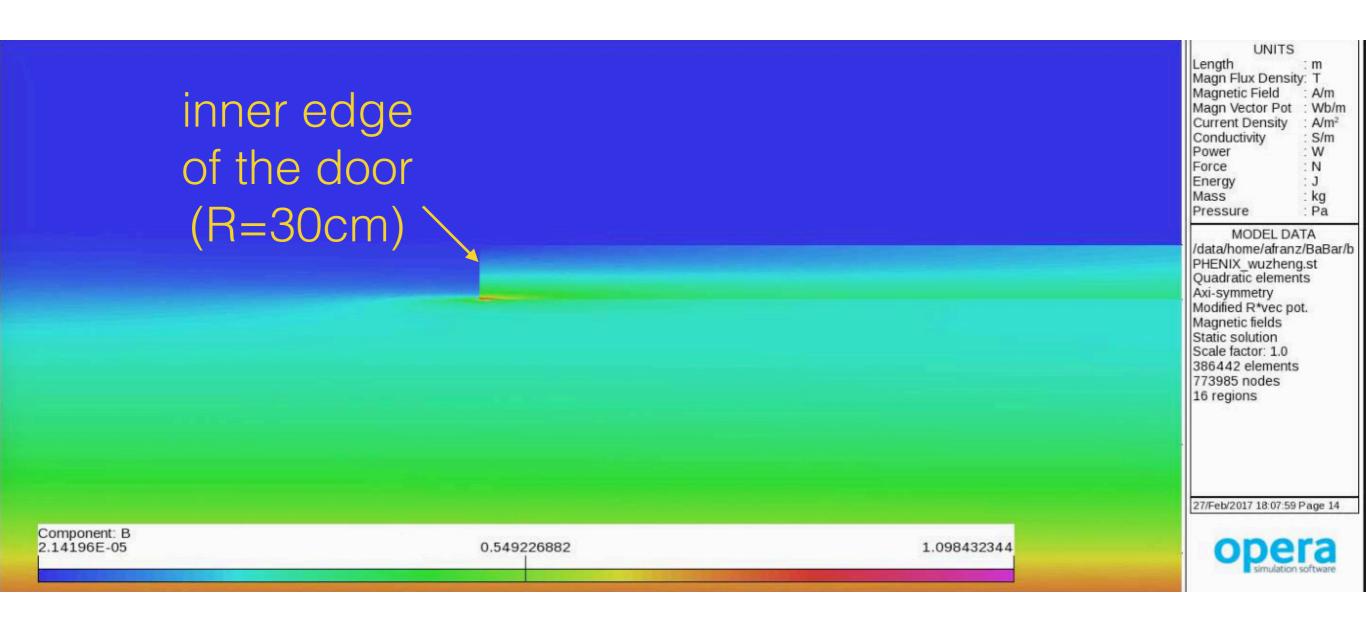
## Field with 30cm door B(0,0) = 1.38T



## Field with 19cm door B(0,0) = 1.38T



## B-Field in T door edge with 30cm thick door



## B-Field in T door edge with 19cm thick door

